



#8 Sharon / Amend A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hung Chih Chen, et al.

Art Unit : 3723

Serial No. : 09/712,389

Examiner : Dung Van Nguyen

Filed : November 13, 2000

Title : MULTI-CHAMBER CARRIER HEAD WITH A FLEXIBLE MEMBRANE

Commissioner for Patents
Washington, D.C. 20231

RECEIVED
FEB 25 2003
TECHNOLOGY CENTER #371

RESPONSE

In response to the action mailed October 1, 2002, please amend the application as follows:

In the specification:

Please replace the paragraph beginning at page 3, line 17 with the following rewritten paragraph:

A1 In another aspect, the invention is directed to a carrier head with a base assembly and a flexible membrane. The flexible membrane has a generally circular main portion, an outer annular portion, and an inner annular portion that includes a notch. The main portion has a lower surface that provides a substrate-mounting surface. The outer annular portion extends from an edge of the main portion and secured to the base assembly. The inner annular portion extends from the main portion and is secured to the base assembly, the volume between the base assembly and the flexible membrane forming a plurality of pressurizable chambers.

Please replace the paragraph beginning at page 4, line 21 with the following rewritten paragraph:

A2 The housing 102 can generally be circular in shape and can be connected to the drive shaft to rotate therewith during polishing. A vertical bore 120 may be formed through the

02/21/2003 DENMANU1 00000005 09712389

01 FC:1201 756.00 OP
02 FC:1202 198.00 OP

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

2/8/03
Date of Deposit

Signature

Typed or Printed Name of Person Signing Certificate

Nikia M. Menzies

BEST AVAILABLE COPY

Q